PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attomey Docket No. CL2028USNA First Inventor Qiong Cheng

Title

(Only for new nonprovisional applications under 37 CFR 1.53(b))

MUTATIONS AFFECTING CAROTENOID PRODUCTION Express Mail Label No. ELIQ43086167LIS

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450) (
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages 42] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies	10/73500			
- Detailed Description - Claim(s)	ACCOMPANYING APPLICATION PARTS				
- Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets] 5. Oath or Declaration [Total Sheets] a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76	9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attomey 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Voltage Office (September 1998)				
18. If a CONTINUING APPLICATION, check appropriate box, and suppospecification following the title, or in an Application Data Sheet under 37	ply the requisite information below and in the first sentence of the				
Continuation Divisional Continuation	tion-in-part (CIP) of prior application No.:	•••			
Prior application information: Examiner	Art Unit:				
For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the	prior application, from which an oath or declaration is supplied under	Box			
5b, is considered a part of the disclosure of the accompanying continuation The incorporation can only be relied upon when a portion has been inadvert	or divisional application and is hereby incorporated by reference.				
19. CORRESPONDENCE ADDRESS					
Customer Number: 23906	OR Correspondence address below				
Name					
Address					
Address	Chate I				
City	State Zip Code				
Country	elephone Fax				
Name (Print/Type) S. Neil Felthain	Registration No. (Attorney/Agent) 36,506				
Signature MU XX	Date 12/12/0	13			

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is td file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (10-03)

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 1,078.00

sports to a collection of information unless it displays a valid Olvid Control Humber					
C mplete if Known					
Application Number	unknown				
Filing Date	December 1 2, 2003				
First Named Inventor	Qiong Cheng				
Examiner Name	unknown				
Art Unit	unknown				
Attorney Docket No.	CL2028 US NA				

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None	3. ADDITIONAL FEES					
Order Large Entity Small Entity Large Entity Small Entity						
Denosit	Fee Code	Fee (\$)		Fee (\$)	Fee Description	E D.14
Account Number 04-1928	1051	130	2051	(\$) 65	Surcharge - late filing fee or oath	Fee Paid
Deposit	1052	50	2052		Surcharge - late provisional filing fee or	
Account Name E. I. du Pont de Nemours and Company					cover sheet	
The Director is authorized to: (check all that apply)	1053	130	1053		Non-English specification	—
Charge fee(s) indicated below Credit any overpayments	1812		1812	_,	For filing a request for ex parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after	
to the above-identified deposit account.	4054	440	2054		Examiner action	
FEE CALCULATION	1251	110	2251		Extension for reply within first month Extension for reply within second month	
1. BASIC FILING FEE	1252 1253	420 950	2252 2253	210	Extension for reply within third month	
Large Entity Small Entity Fee Fee Fee Fee Description Fee Paid	1253		2254		• •	
Code (\$) Code (\$)		-			Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee 770.00	1255		2255	.,	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401		Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402		Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403		Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451		1451		Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 770.00	1452	110	2452	_	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453		2453		Petition to revive - unintentional	\vdash
Fee from Extra Claims below Fee Paid	1501 1502	1,330 480	2501 2502		Utility issue fee (or reissue)	
Total Claims 21 -20** = 1 X 18 = 18.00	1502	640	2502		Design issue fee Plant issue fee	
Independent 2 - 3** = 0 X 86 = 0.00	1460	130	1460		Petitions to the Commissioner	
Multiple Dependent YES 290.00 = 290.00	1807	50	1807		Processing fee under 37 CFR 1.17(g)	
Large Entity Small Entity	1806	180	1806		Submission of Information Disclosure Stmt	
Fee Fee Fee Fee Fee Description Code (\$) Code (\$)					Recording each patent assignment per	
1202 18 2202 9 Claims in excess of 20	8021	40	8021	40	property (times number of properties)	
1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be	
1204 86 2204 43 ** Reissue independent claims	.510		_0.0	. 505	examined (37 CFR 1.129(b))	
over original patent	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 308.00	Cther fee (specify)					
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00						

SUBMITTED BY				(Complete (if applicable))		
Name (Print/Type)	S. Neil Eeltham	Registration No. (Attorney/Agent)	36,506	Telephone	(302) 992-6460	
Signature	MUXX			Date	12/12/03	

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